US Army Corps of Engineers ®
Rock Island District

U.S. Army Corps of Engineers
Rock Island District

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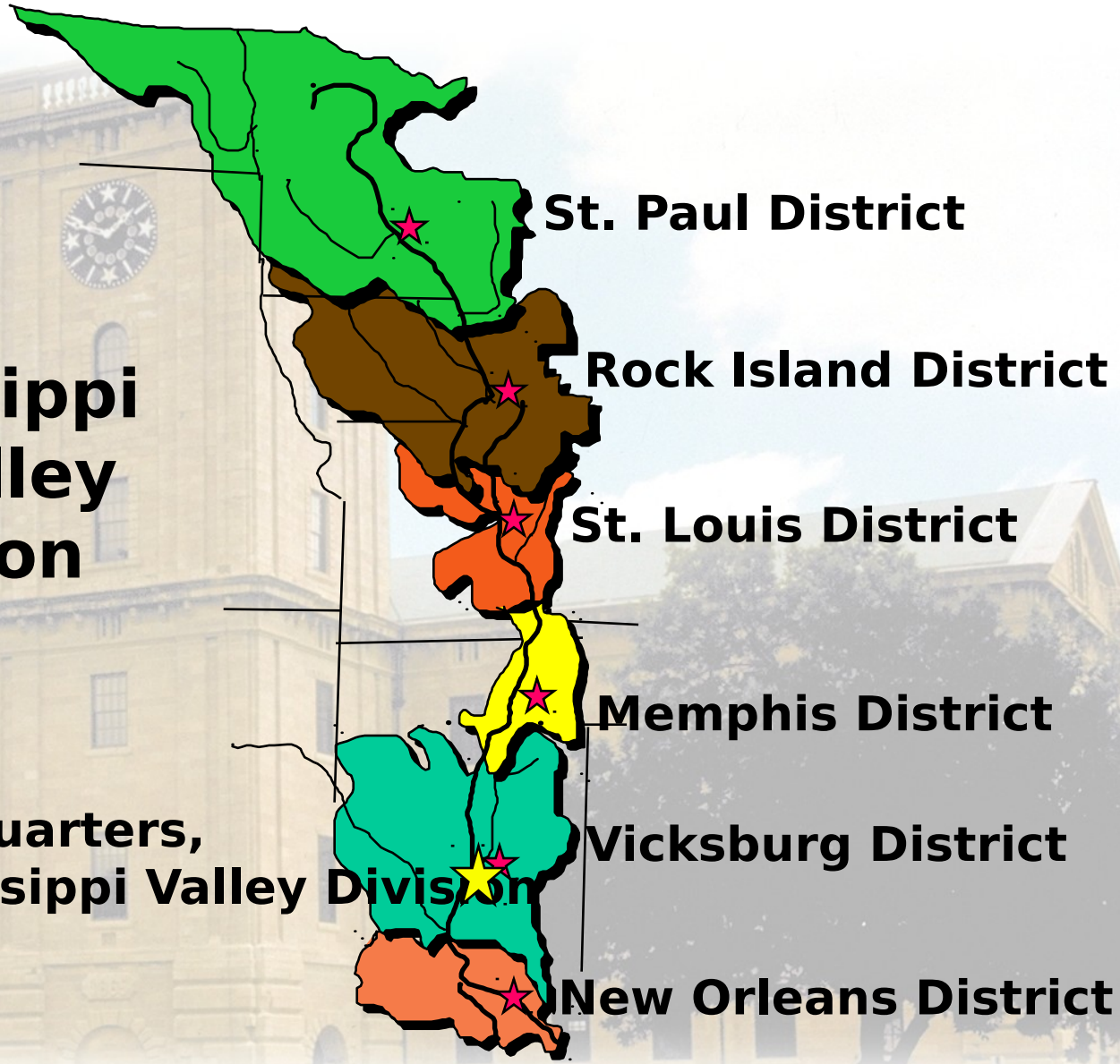
US Army Corps of Engineers ®
Rock Island District

Mississippi Valley Division



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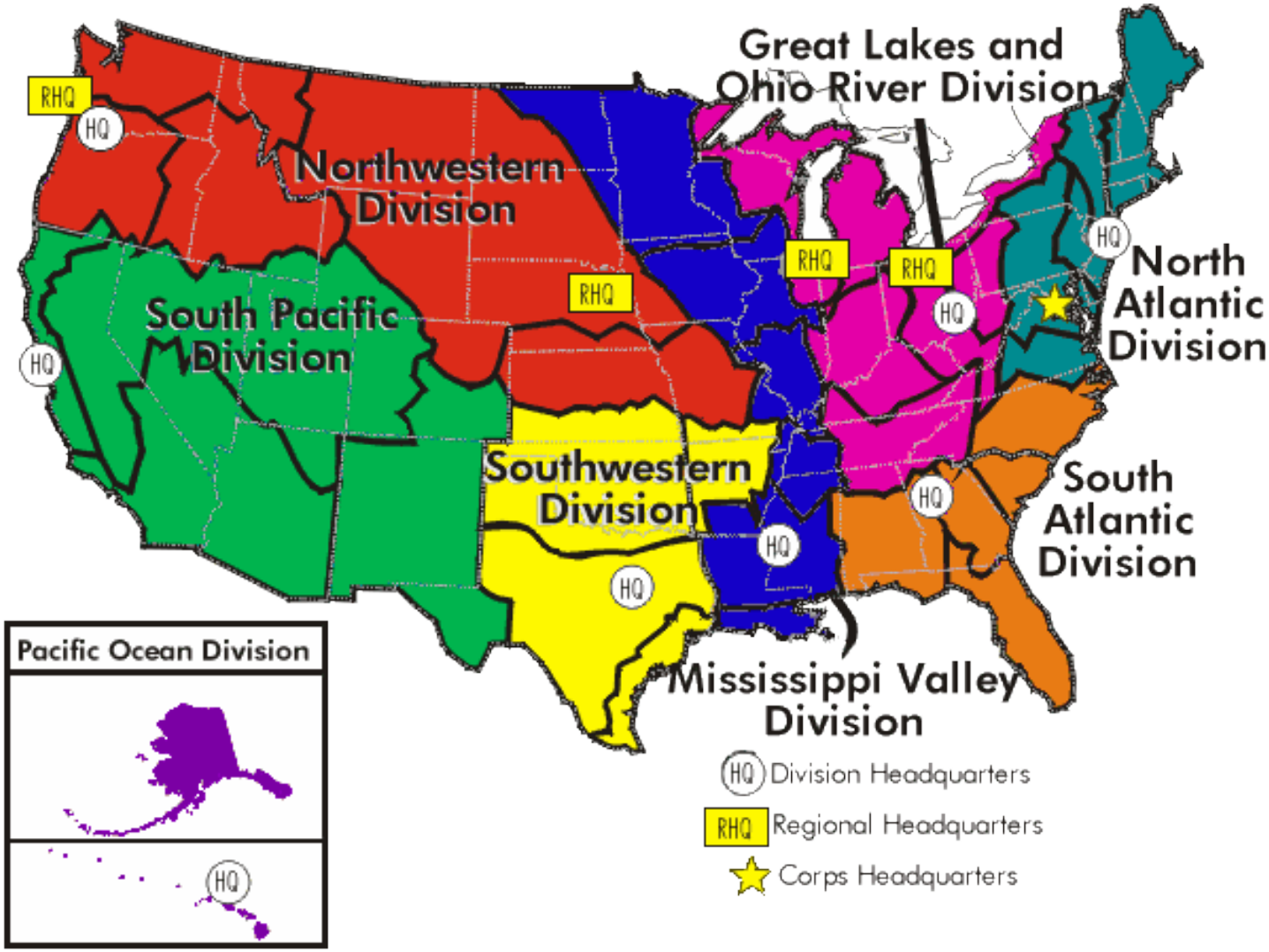
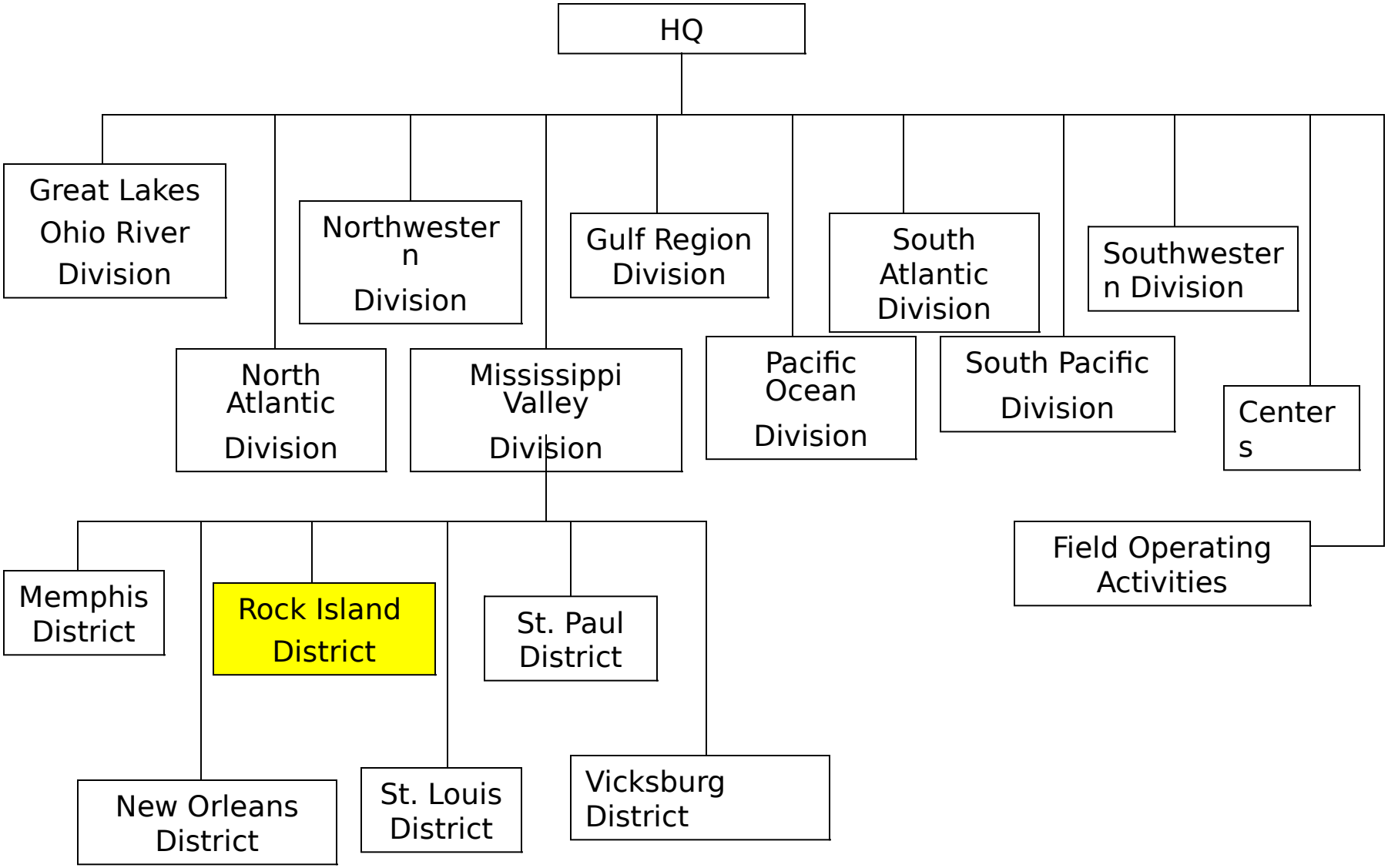
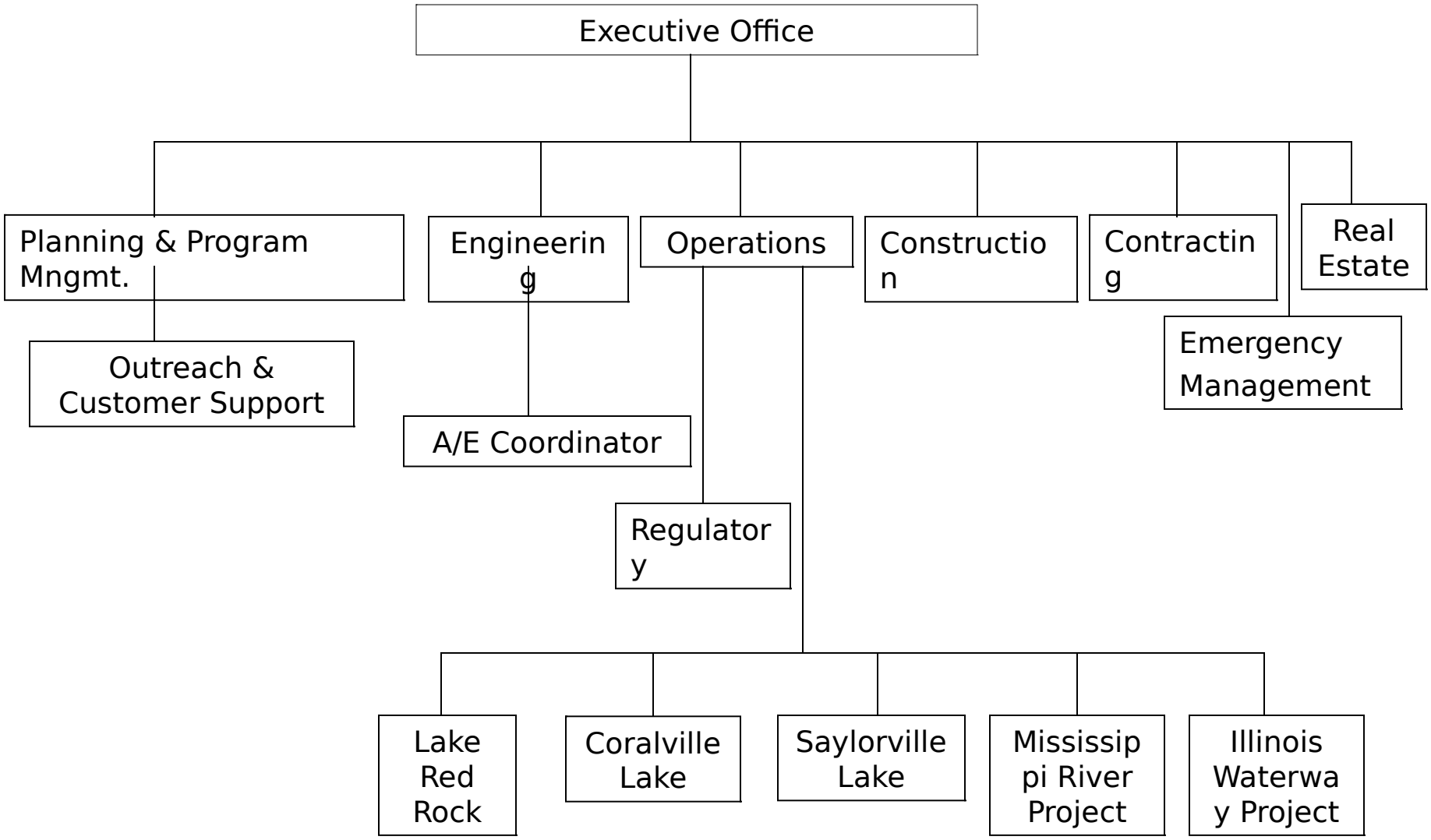
Rock Island District

Map of the Civil Boundaries of the US Army Corps of Engineers




HQ
Great Lakes Ohio River Division
Northwestern Division
Gulf Region Division
South Atlantic Division
Southwestern Division
North Atlantic Division
Mississippi Valley Division
Pacific Ocean Division
South Pacific Division
Centers
Memphis District
Rock Island District
St. Paul District
Field Operating Activities
New Orleans District
St. Louis District
Vicksburg District


Executive Office
Planning & Program Mngmt.
Engineering
Operations
Construction
Contracting
Real Estate
Outreach & Customer Support
A/E Coordinator
Emergency Management
Regulatory
Lake Red Rock
Coralville Lake
Saylorville Lake
Mississippi River Project
Illinois Waterway Project

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Rock Island District

Rock Island District Employees

400-plus @ Clock Tower and Locks & Dam 15

- **912 Authorized**
- **Average Age – 42.8**
- **Advanced Degrees (Bachelors & Above) - 256**
- **Grade Structure -**

4	GS-15
9	GS-14
40	GS-13
100	GS-12
189	GS-11

US Army Corps of Engineers ®
Rock Island District

Rock Island District Employees

- **Remainder @ 27 Field Sites**

- **912 Authorized**
- **Average Age – 42.8**
- **Advanced Degrees (Bachelors & Above) - 256**
- **Grade Structure -**

4	GS-15
9	GS-14
40	GS-13
100	GS-12
189	GS-11

US Army Corps of Engineers ®
Rock Island District

Small & Disadvantaged Business Utilization

Corps of Engineers Goals

(Percentage of Dollars Contracted Out)

- **Total Small Business - 40.4%**
- **Total Small Business Set-Asides - 10%**
- **Small & Disadvantaged Small Business - 16%**
- **Women-Owned Small Business - 5.6%**
- **Historically Underutilized Business Zone & Service Disabled-Veteran Owned Small Business - 3%**

Corps 2012 Organization

Wash HQs: Strat Plng, Nat Rel and Org Success

MSC: Regional Oper and Mgmt

District: Execution

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Rock Island District

Communities of Practice (COP)

Definition - Primary Functional/technical Focus; Could Cross Over Into Business Lines

Examples:

- E&C
- Planning
- Operations
- PM
- RM
- HR
- Logistics
- Environmental
- Counsel
- IR
- Safety
- EEO
- SADBU
- Programs
- PAO
- Dam Safety
- Contracting
- Strategic Planning
- Real Estate
- R&D
- Security
- Emergency Ops

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Rock Island District

Mission Areas

- Navigation
- Environmental Protection & Restoration
- Flood Damage Reduct
- Regulatory
- Emergency Response
- Recreation
- Land Management

Navigation

Maintain & Manage

- 314 miles of the Upper Mississippi River
- 268 miles of the Illinois Waterway

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Rock Island District

Marseilles Lock (Illinois Waterway)

Lock & Dam 18 (Mississippi River)

- **Illinois Waterway POC**

  Rick Granados

  (309) 676-4601

- **Mississippi River POC**

  Bill Gretten

  (309) 794 4512

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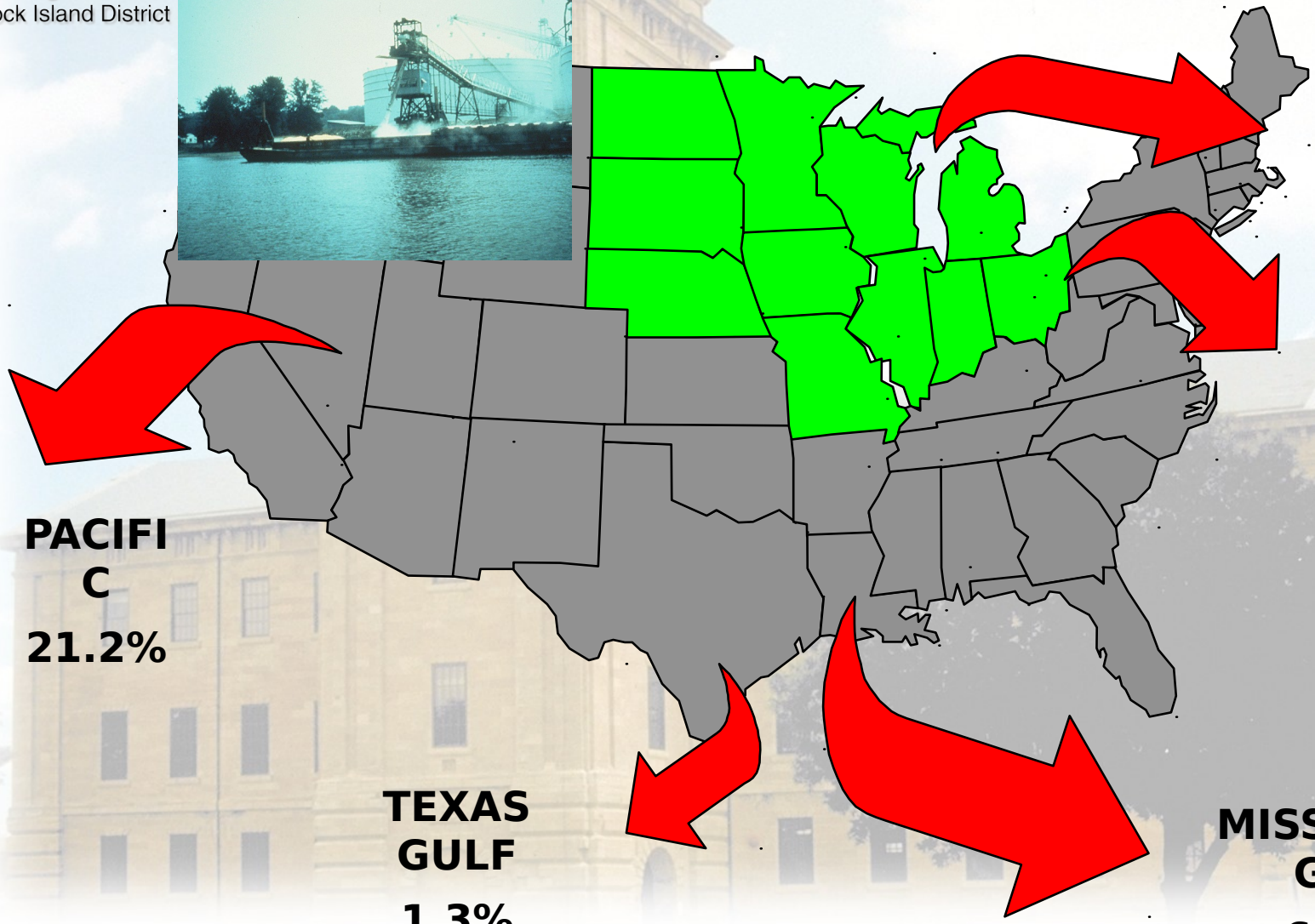
Corn Exports

2.1 Million Bushels



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Operations & Maintenance

Inspect, Repair & Maintain Locks

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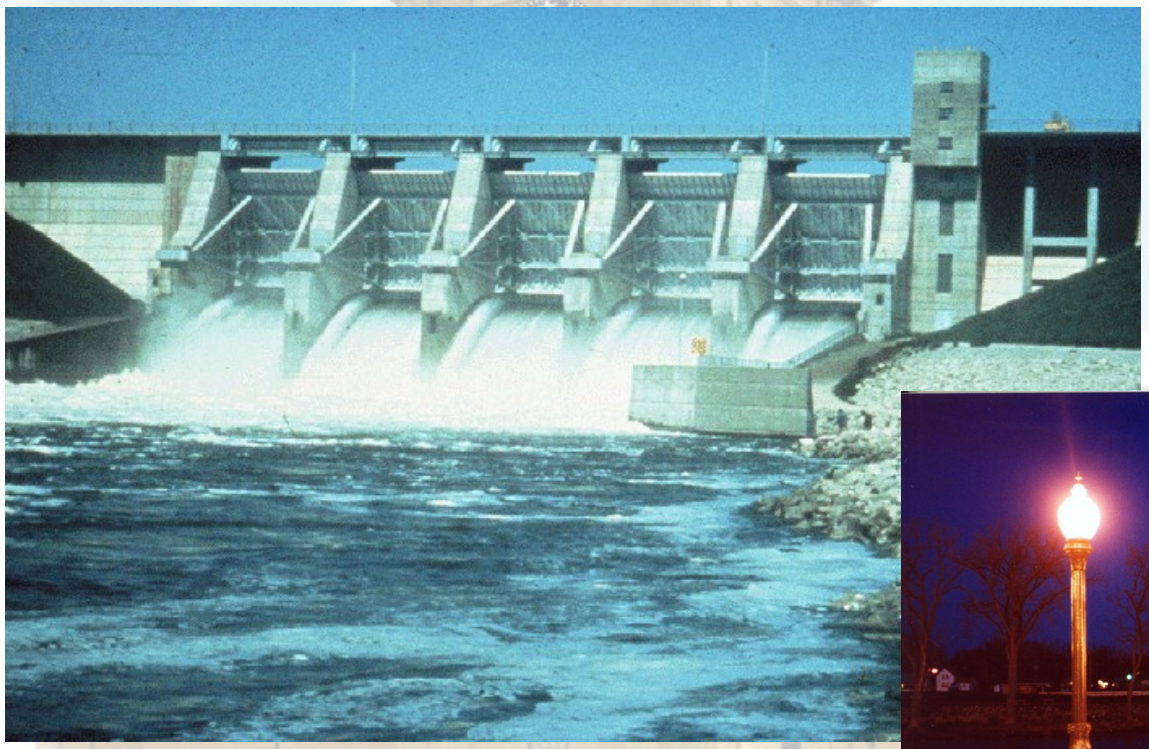
Rock Island District

Flood Damage Reduction



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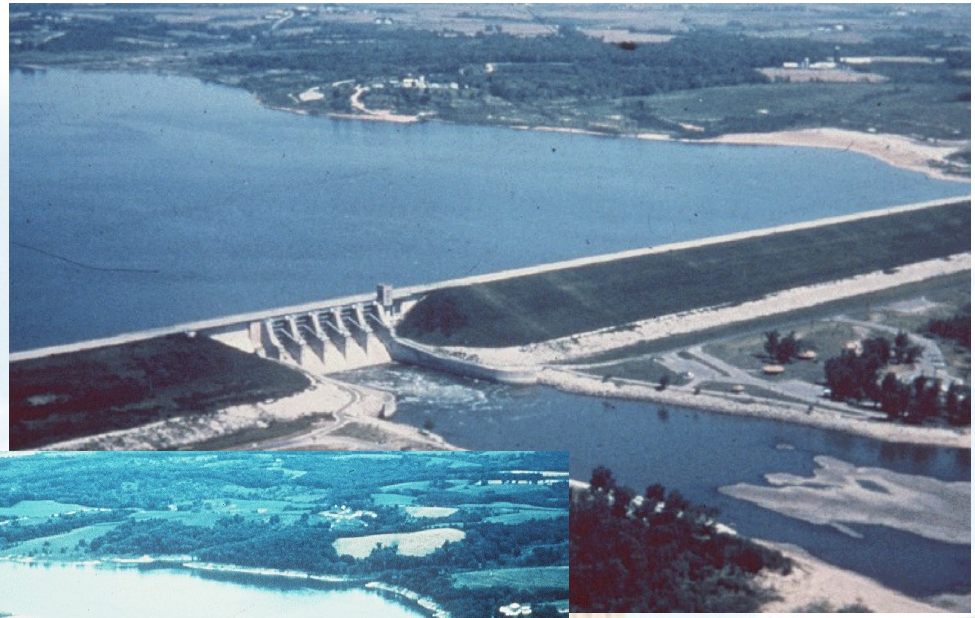
Rock Island District



Red Rock Dam, Iowa

Coralville Lake, Iowa

Saylorville Lake, Iow

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Recreation

- **Boating**
- **Jet Skiing**
- **Wind Surfing**

Serving the Nation

US Army Corps of Engineers ®
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Recreation

- Camping
- Beaches
- Swimming
- Recreation

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Recreation

- Biking
- Fishing
- Hunting
- Picnicking

&
Much More!

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Saylorville Lake

- **FY 05 = $3,860,000**
- **19 Recreation Area**
  6.4M Visitor Hou
- **$175M Flood Damages Prevented**
- **POC: Steve Fairbanks**
  (515) 276-4656

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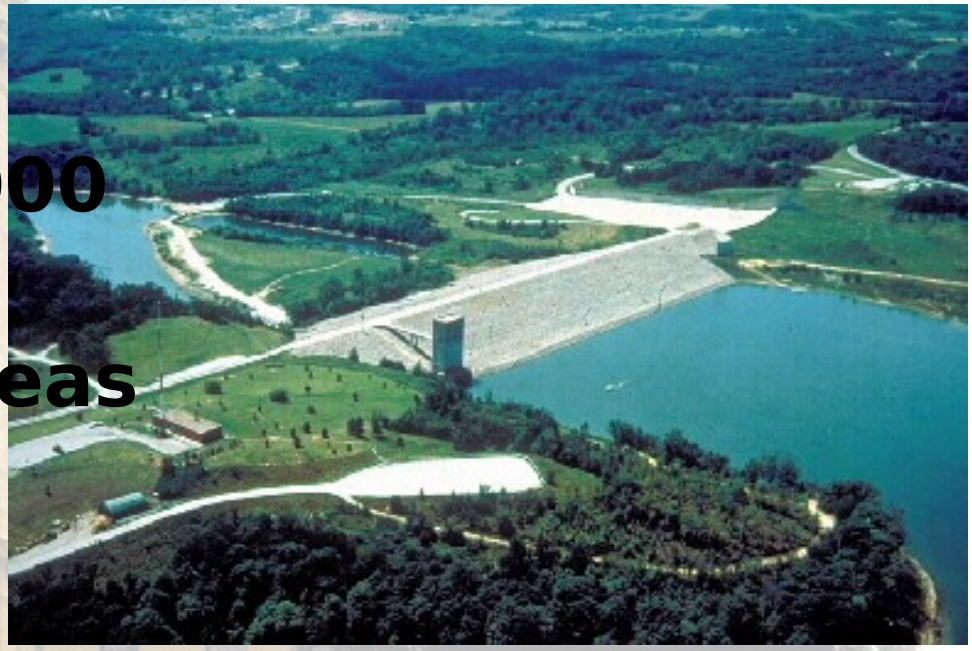
Lake Red Rock

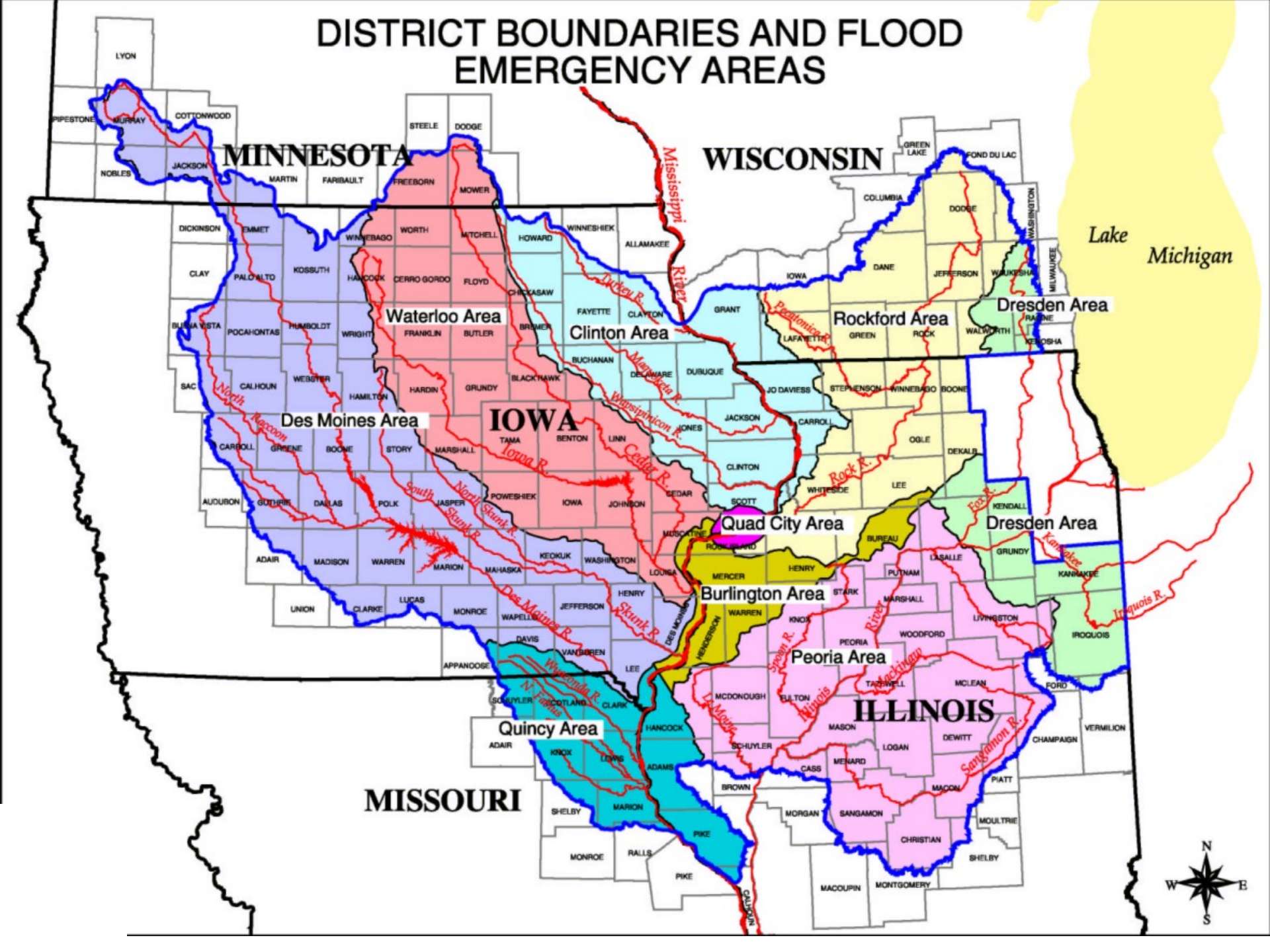
- **FY 05 = $3,350,00**
- **10 Recreation Areas**
  4.9M Visitor Hours
- **$469M Flood Damages Prevented**
- **POC: Sherri Richardson-Duey**
  (641) 828-7522

US Army Corps of Engineers ®
Rock Island District

Coralville Lake



- **FY 05 = $2,806,000**
- **14 Recreation Areas**
  11.1M Visitor Hours
- **$58M Flood Damages Prevented**
- **POC: John Castle**
  (319) 338-3543


DISTRICT BOUNDARIES AND FLOOD EMERGENCY AREAS
MINNESOTA
WISCONSIN
IOWA
ILLINOIS
MISSOURI
Lake Michigan
Waterloo Area
Clinton Area
Rockford Area
Dresden Area
Des Moines Area
Quad City Area
Dresden Area
Burlington Area
Peoria Area
Quincy Area
Mississippi River
Turkey R.
Pecatonica R.
Maquoketa R.
Wapsipinicon R.
North Raccoon
Iowa R.
Cedar R.
Rock R.
Fox R.
Kankakee
Iroquois R.
South Skunk R.
North Skunk R.
Des Moines R.
Skunk R.
Spoon R.
Illinois
Mackinaw
La Moine
Sangamon R.
N Fabius
Wyaconda R.
LYON
MURRAY
COTTONWOOD
NOBLES
JACKSON
MARTIN
FARIBAULT
FREEBORN
MOWER
STEELE
DODGE
DICKINSON
EMMET
WINNEBAGO
WORTH
MITCHELL
HOWARD
WINNESHIEK
ALLAMAKEE
CLAY
PALO ALTO
KOSSUTH
HANCOCK
CERRO GORDO
FLOYD
CHICKASAW
BUENA VISTA
POCAHONTAS
HUMBOLDT
WRIGHT
FRANKLIN
BUTLER
BREMER
FAYETTE
CLAYTON
SAC
CALHOUN
WEBSTER
HAMILTON
HARDIN
GRUNDY
BLACK HAWK
BUCHANAN
DELAWARE
DUBUQUE
CARROLL
GREENE
BOONE
STORY
MARSHALL
TAMA
BENTON
LINN
JONES
JACKSON
AUDUBON
GUTHRIE
DALLAS
POLK
JASPER
POWESHIEK
IOWA
JOHNSON
CEDAR
SCOTT
CLINTON
ADAIR
MADISON
WARREN
MARION
MAHASKA
KEOKUK
WASHINGTON
LOUISA
MUSCATINE
UNION
CLARKE
LUCAS
MONROE
WAPELLO
JEFFERSON
HENRY
DES MOINES
DAVIS
VAN BUREN
APPANOOSE
LEE
SCHUYLER
SCOTLAND
CLARK
HANCOCK
ADAIR
KNOX
LEWIS
ADAMS
SHELBY
MARION
PIKE
MONROE
RALLS
CALHOUN
JO DAVIESS
STEPHENSON
WINNEBAGO
BOONE
OGLE
DEKALB
WHITESIDE
LEE
BUREAU
KENDALL
GRUNDY
LASALLE
ROCK ISLAND
HENRY
MERCER
PUTNAM
STARK
MARSHALL
KNOX
WARREN
HENDERSON
WOODFORD
PEORIA
LIVINGSTON
IROQUOIS
KANKAKEE
FULTON
MCDONOUGH
TAZEWELL
MCLEAN
FORD
VERMILION
MASON
DEWITT
LOGAN
CHAMPAIGN
SCHUYLER
MENARD
CASS
BROWN
MACON
PIATT
MORGAN
SANGAMON
MOULTRIE
CHRISTIAN
SHELBY
MACOUPIN
MONTGOMERY
GREEN LAKE
FOND DU LAC
COLUMBIA
DODGE
WASHINGTON
IOWA
DANE
JEFFERSON
WAUKESHA
MILWAUKEE
GRANT
LAFAYETTE
GREEN
ROCK
WALWORTH
RACINE
KENOSHA
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W
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Emergency Operations

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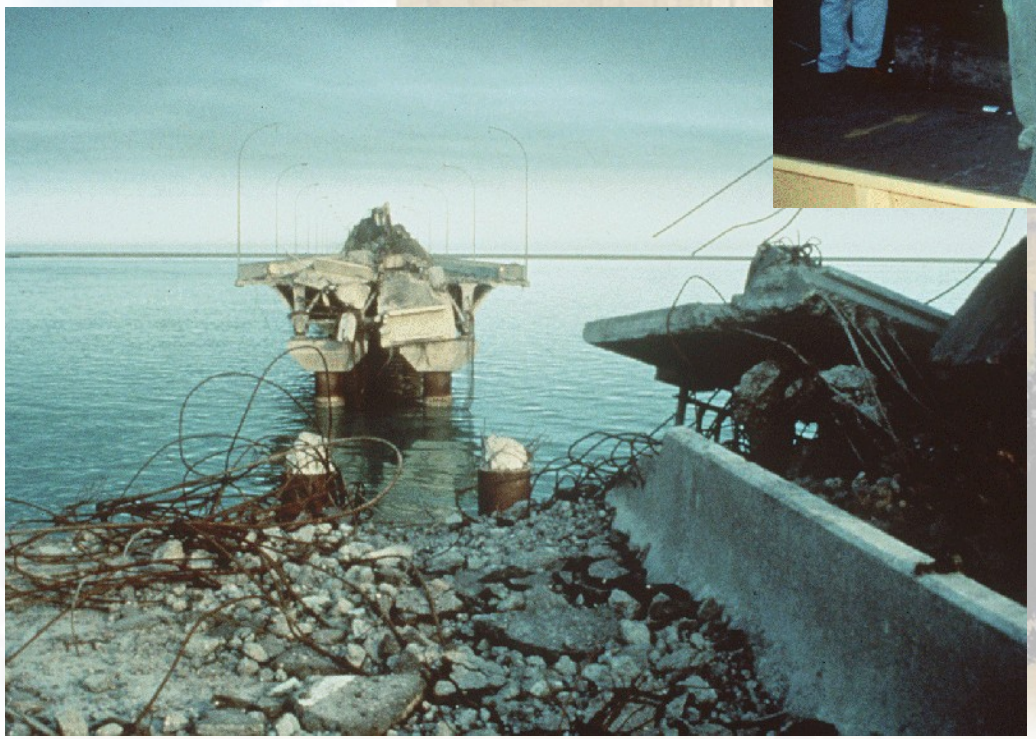
Rock Island District



Debris Removal

Damage Assessment

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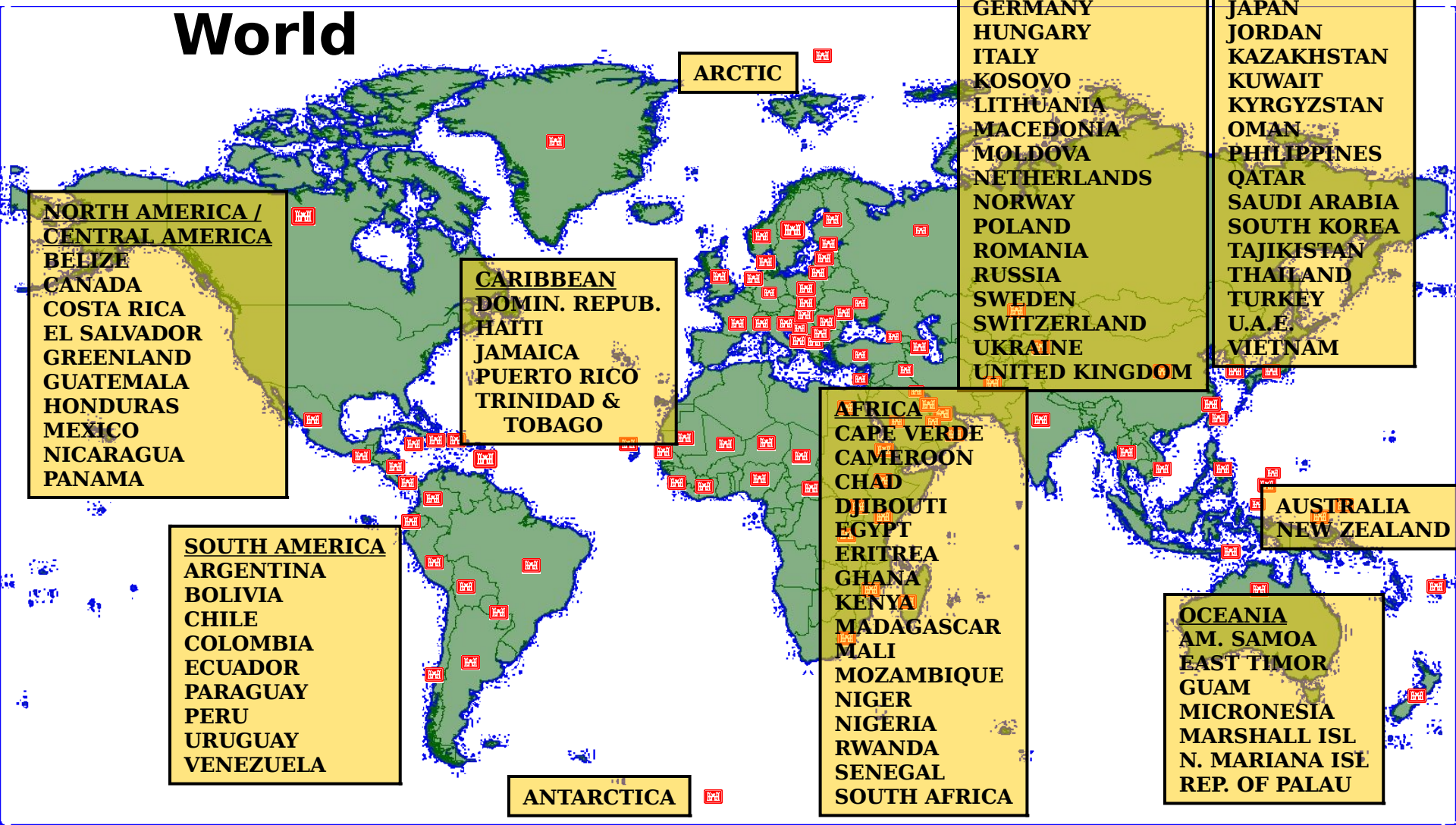
Serving the Nation – All Over the World



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Land Management

- **Manage 197,000 Acres**

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Rock Island District

Land Management

Real Estate Issues: Ralph Werthmann

(309) 794-5234

- **Cottage Site Leases**

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Peacetime Military Support

Military Construction under National Mobilization

Building Renovation

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Rock Island District

Site Restoration & Cleanup

- **Work for Army, Navy, National Guard**
- **Average Annual Program of $2.5M**
- **Average Annual Inspections 50**

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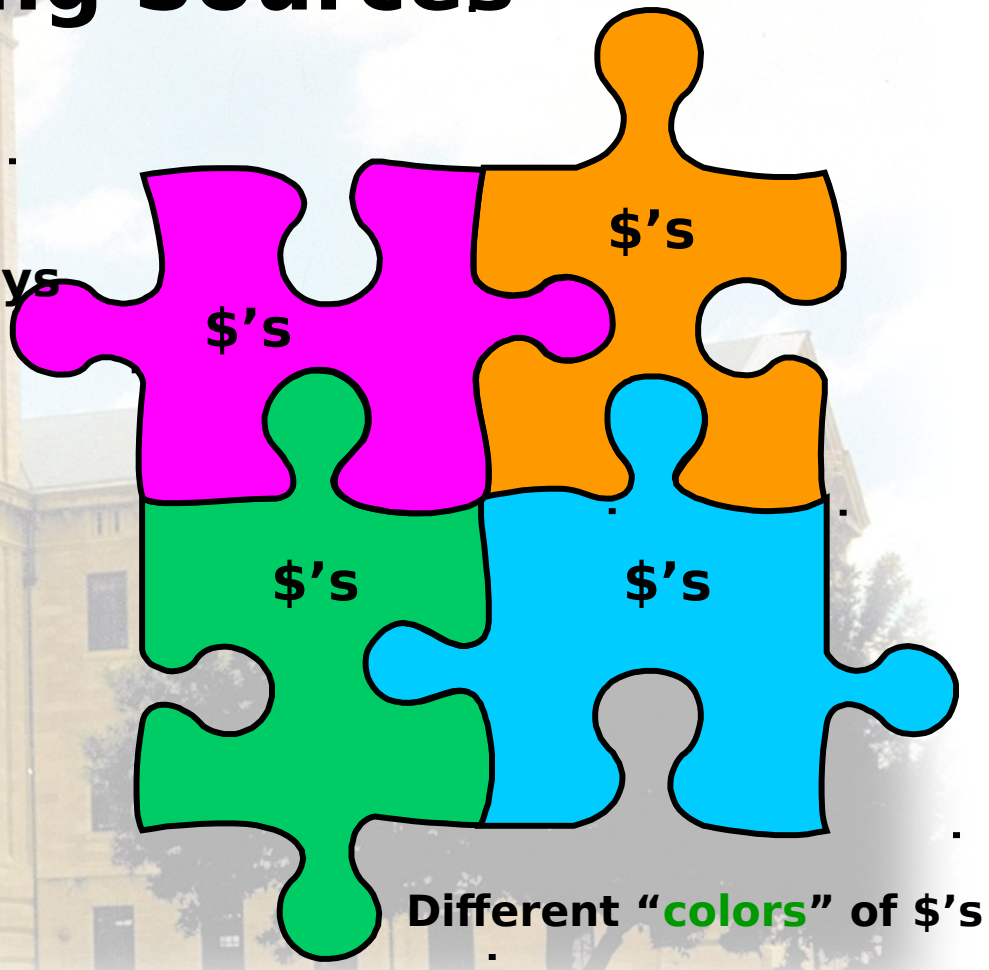
Major Rehabilitation Funding Sources

- **Major Rehabilitation**
  - **CG = Construction General, 50%**
  - **TF = Inland Waterways Trust Fund, 50%**

- **Operations & Maintenance**
  - **O & M = Normal**
  - **Major Maintenance (Adds)**



Different "colors" of $'s

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- **Locks Constructed in the 1930s**
- **Projected Life Span of 50 years**

Locks & Dam 15
(Original Construction)

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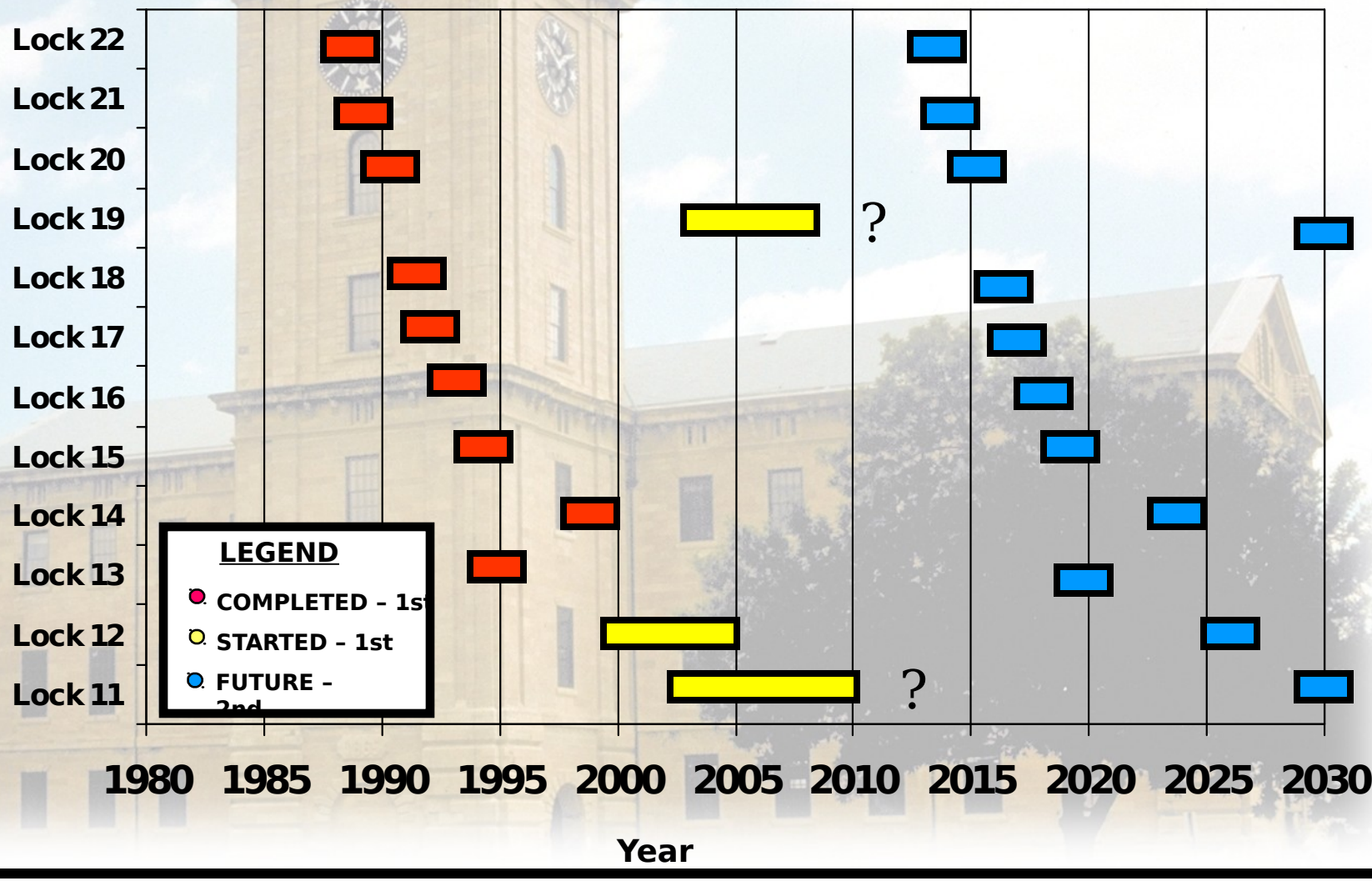
Rock Island District

Schedule of Major Rehabilitations
Upper Mississippi River in Rock Island District



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Current Major Rehabilitations Upper Mississippi River & Illinois Waterway

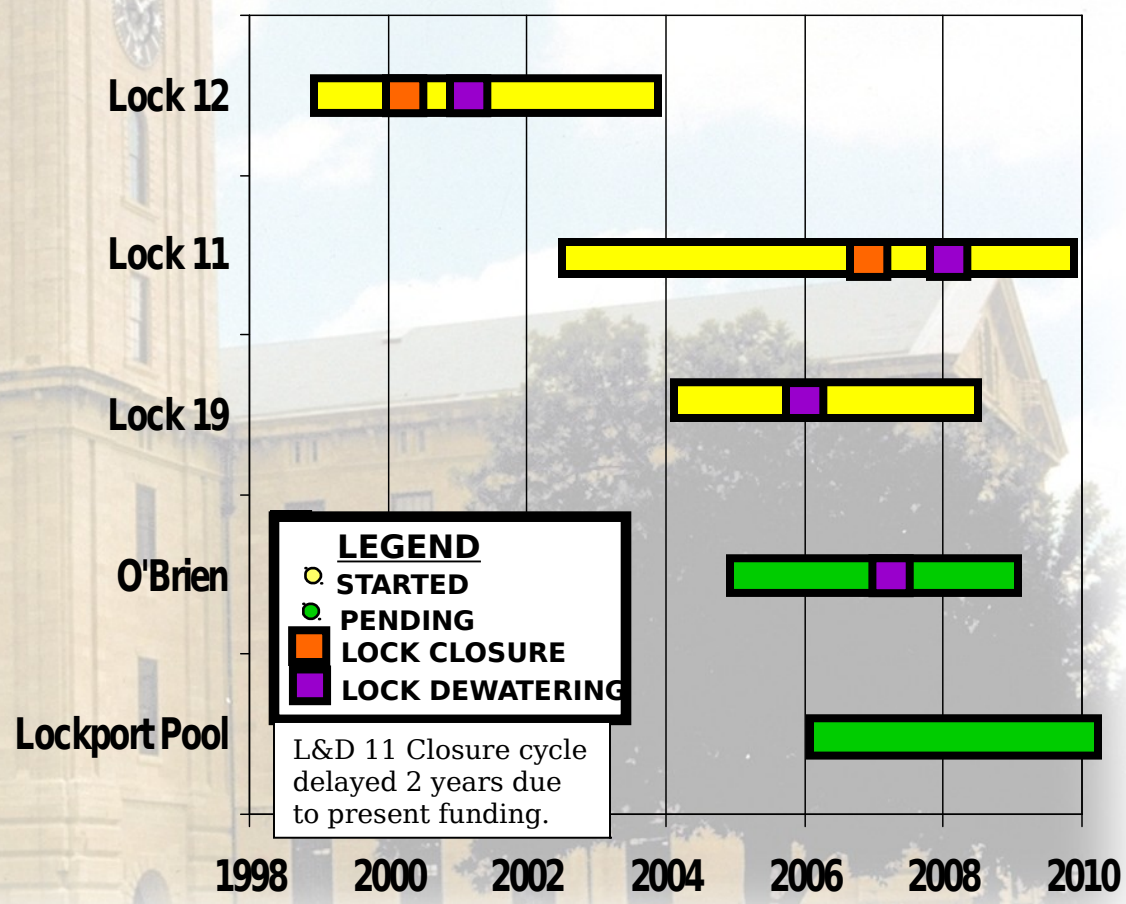
Lock and Dam 12

Lock and Dam 11

Lock 19

O'Brien Lock

Lockport Pool



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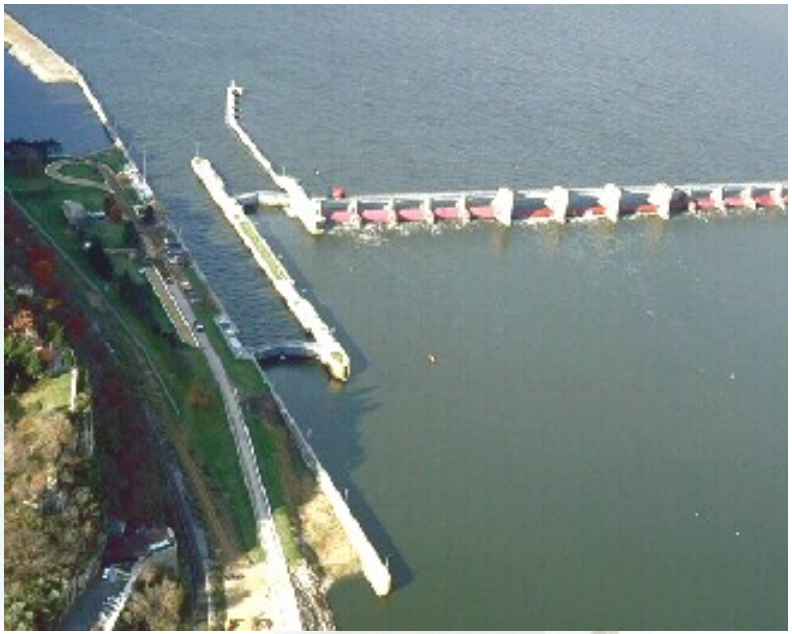
Rock Island District

Lock & Dam 11
Dubuque, Iowa



FY02 New Start

Major Rehab - $26 M CG/TF

Major Maint. - $16 M O&M

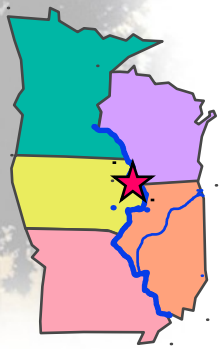
Stage I (Scour) Completed, $3 M

FY04 Funding Levels Delayed Stages II (Lock) and III (Dam)

- **Stage II – Unable to Award**
  - **FY05 CG/TF - $10.9 M Needed**
  - **FY06 CG/TF - $11 M Needed**
- **Stage III – $12 M with Schedule based on Stage II Progress**

****STOPPED WORK IN FY04**

**** NOT IN FY05 BUDGET**



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Lock 19
Keokuk, Iowa

FY03 New Start

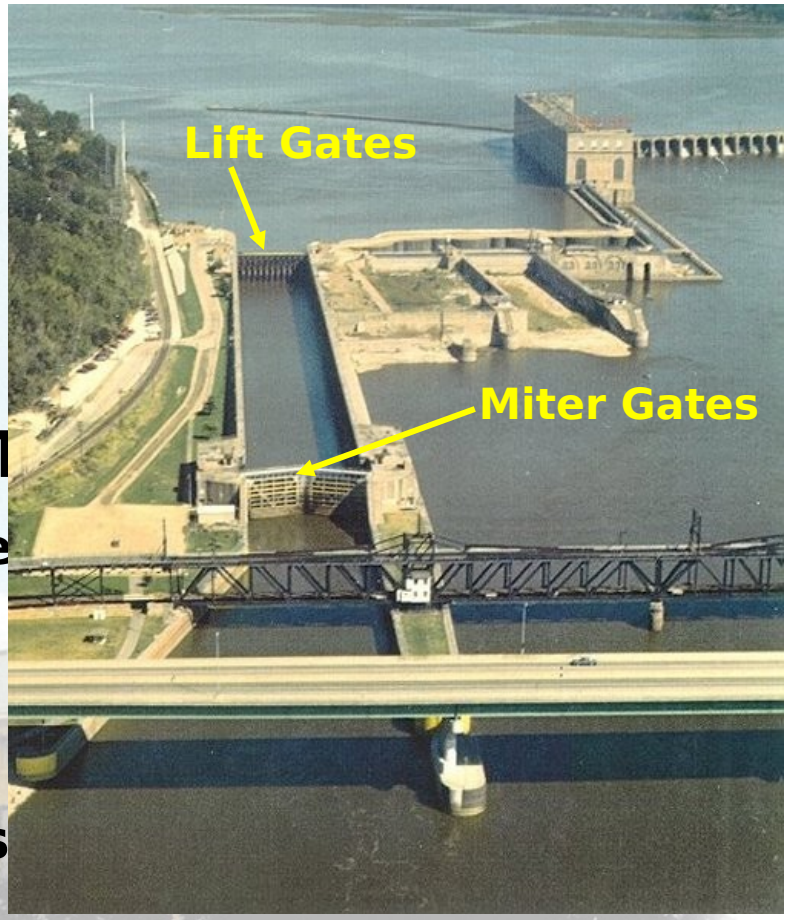
Major Rehab - $21 M CG/T

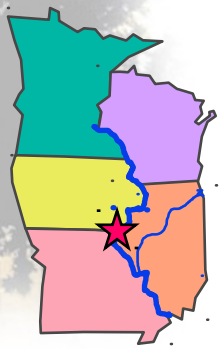
– $51M w/ Lock Concrete

Major Maint. - $1 M O&M

Staging of Work

- Stage I – Lift Gate Repairs
- Stage II – Miter Gates, Machinery & Electrical Replacements
  - FY05 CG/TF - $5 M Needed
  - FY06 CG/TF - $15 M Needed





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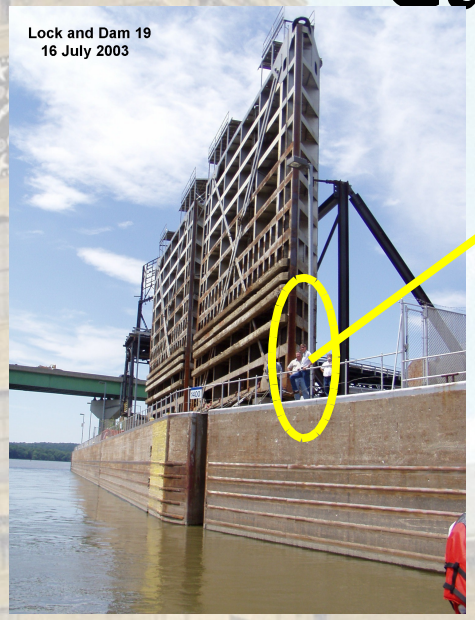
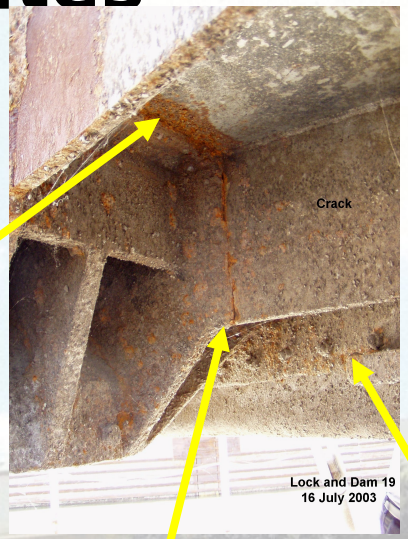
Rock Island District

Lock 19 – Downstream Miter Gates





1998

- **Major Cracking Discovered & Gates Repaired**

2003

- **Additional Major Cracking Found with Gates Determined Not Repairable**
- **Catastrophic Failure of the Gates Was Imminent**
- **Spare Gate Sections Obtained From St. Louis District Installed**

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Rock Island District

Lock 19 – Spare Miter Gates

Less Robust than Original Miter Gates

Not Designed to Handle Ice/Impact Loading

Marseilles Gate w/ Ice

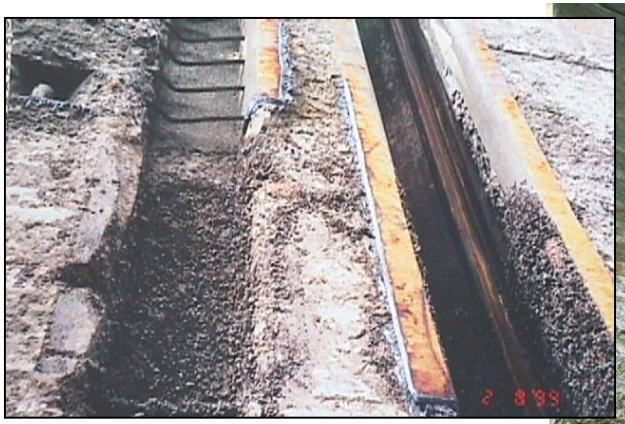
Lock Chamber Concrete

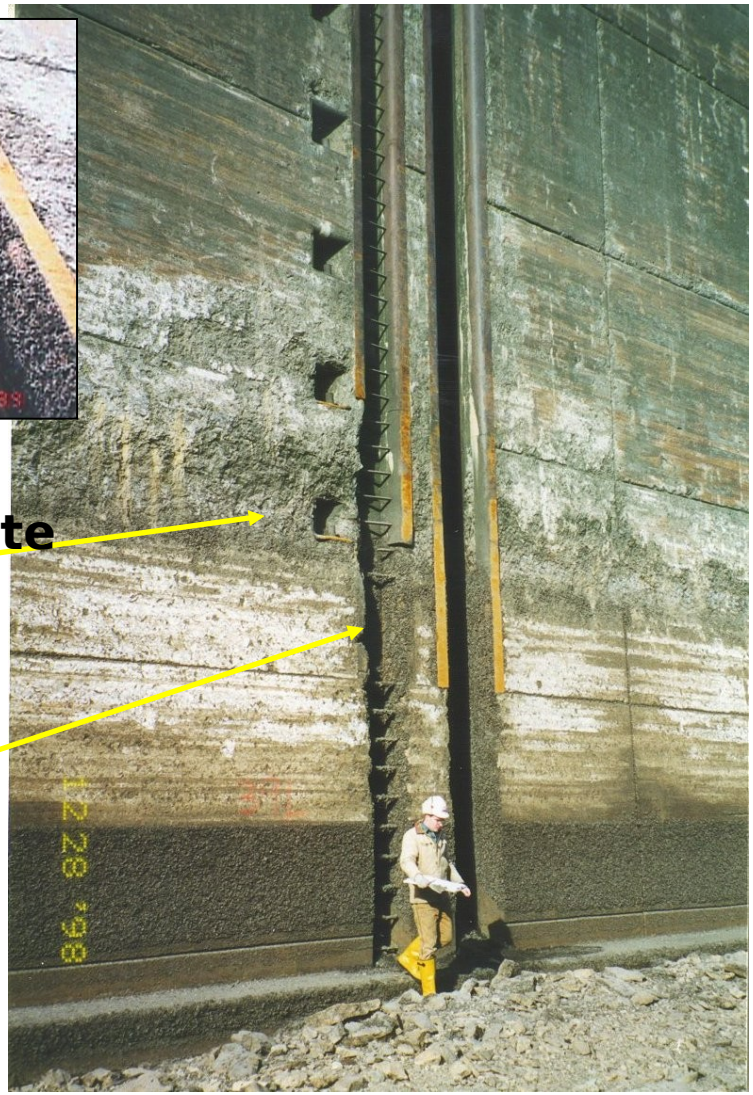
Lock 19

(Unfunded)

$30 Million

Rehab





Deteriorated Concrete @ Lower Pool

Vertical Corner Protection Armor Damaged & Missing

Note: For Safety Reasons, Loose Armor was Torched off During 1998 Dewatering. Protruding Armor Presents Safety Hazards During Lockages.

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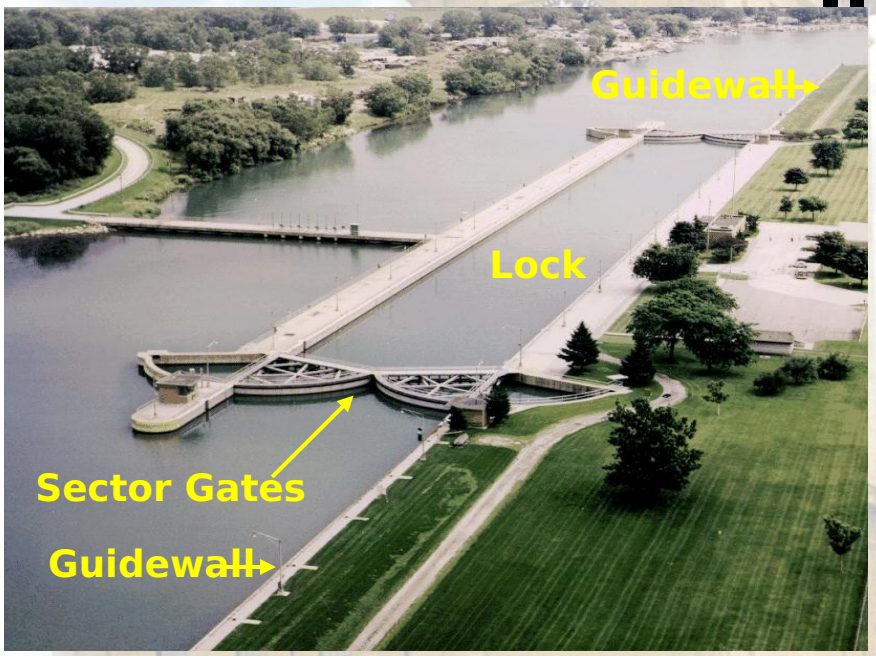
Rock Island District

O'Brien Lock
Illinois Waterway @ Chicago, Illinois



FY06 New Start - Proposed

Major Rehab - $17 M CG/TF

Major Maint. - $9 M O&M

Staging of Work

- **Stage I – Lockwall Cells**
- **Stage II – Machinery & Electrical Replacements, Sector Gate Repainting**
- **Stage III – Guidewall Repairs**

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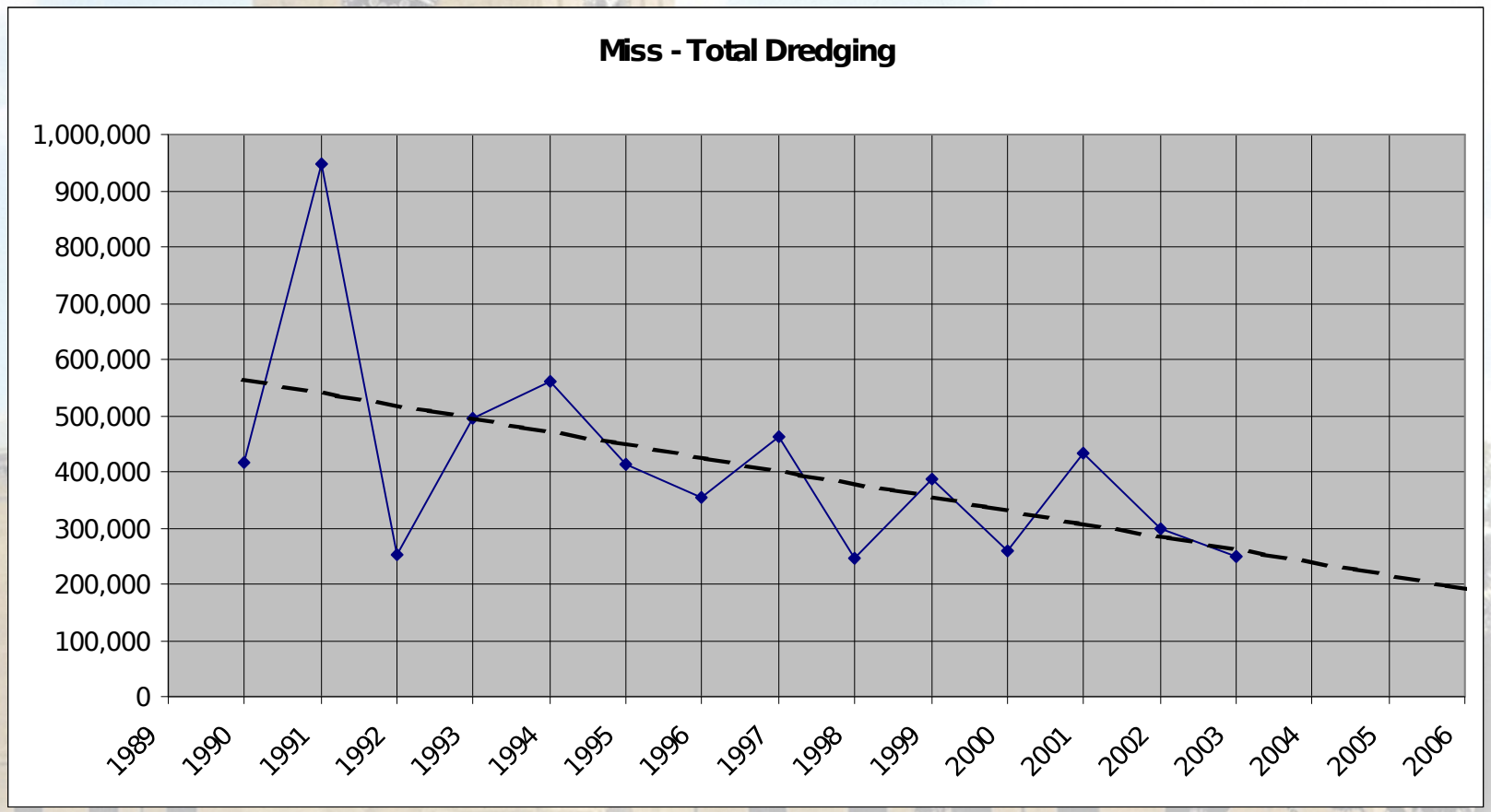
Mississippi River Dredging

Cubic Yards



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Operations & Maintenance

Maintenance Backlog Summary

Mississippi River

- Non-Deferrable $31,396,000
- Deferrable $54,394,000

Illinois Waterway

- Non-Deferrable $21,177,000
- Deferrable $54,759,000

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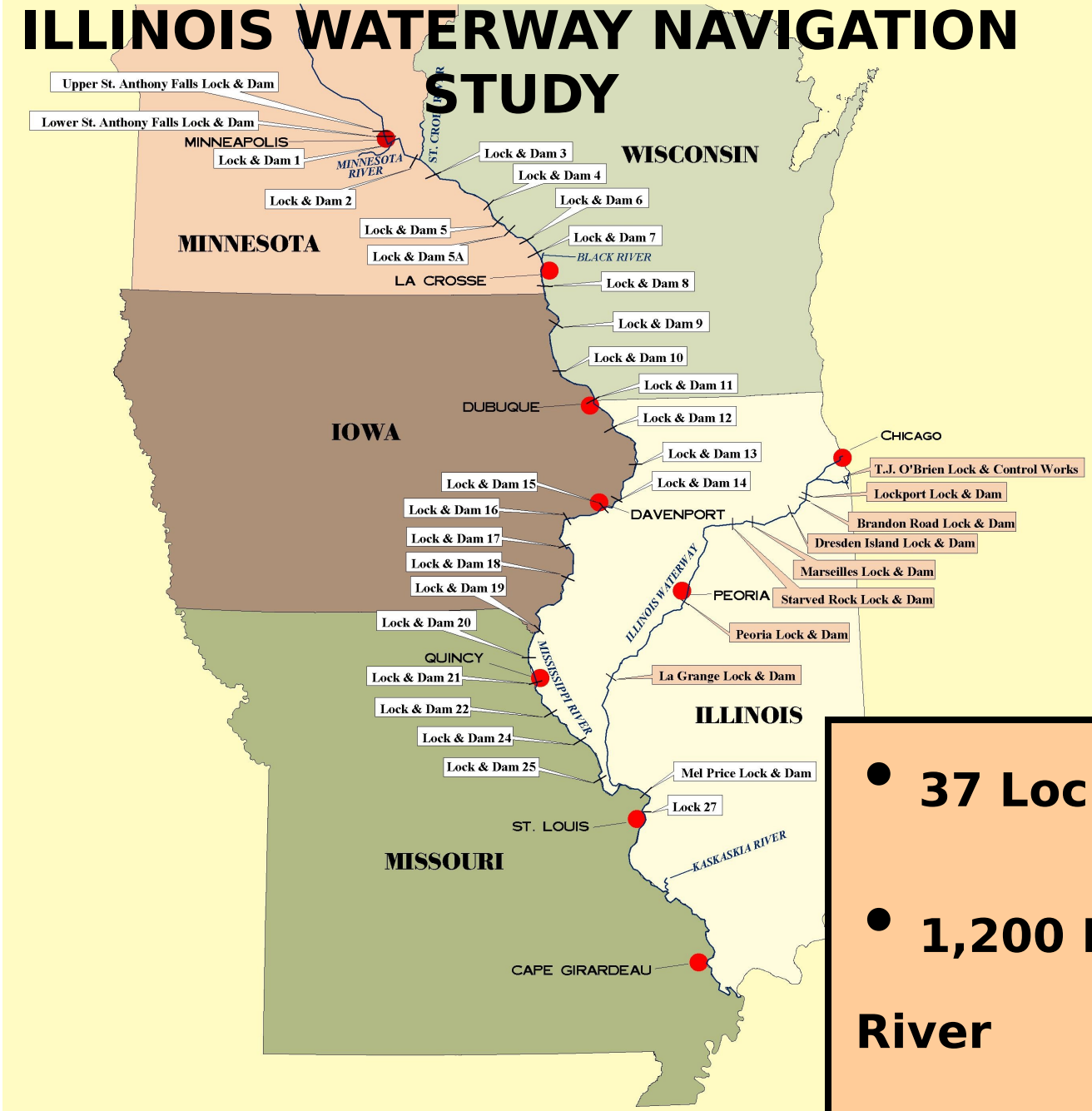
Restructured Navigation Study

- **Scope: Focus on Authorized Federal Navigation Projects and the Ecological and Floodplain Resources That Are Affected by These Projects.**

- **Objectives**
  - **Improve Navigation Efficiency.**
  - **Achieve Environmental Sustainable System.**
  - **Address Ecosystem, Floodplain Management Needs Related to Navigation.**

UPPER MISSISSIPPI RIVER – ILLINOIS WATERWAY NAVIGATION STUDY



- 37 Lock Sites
- 1,200 Miles of River

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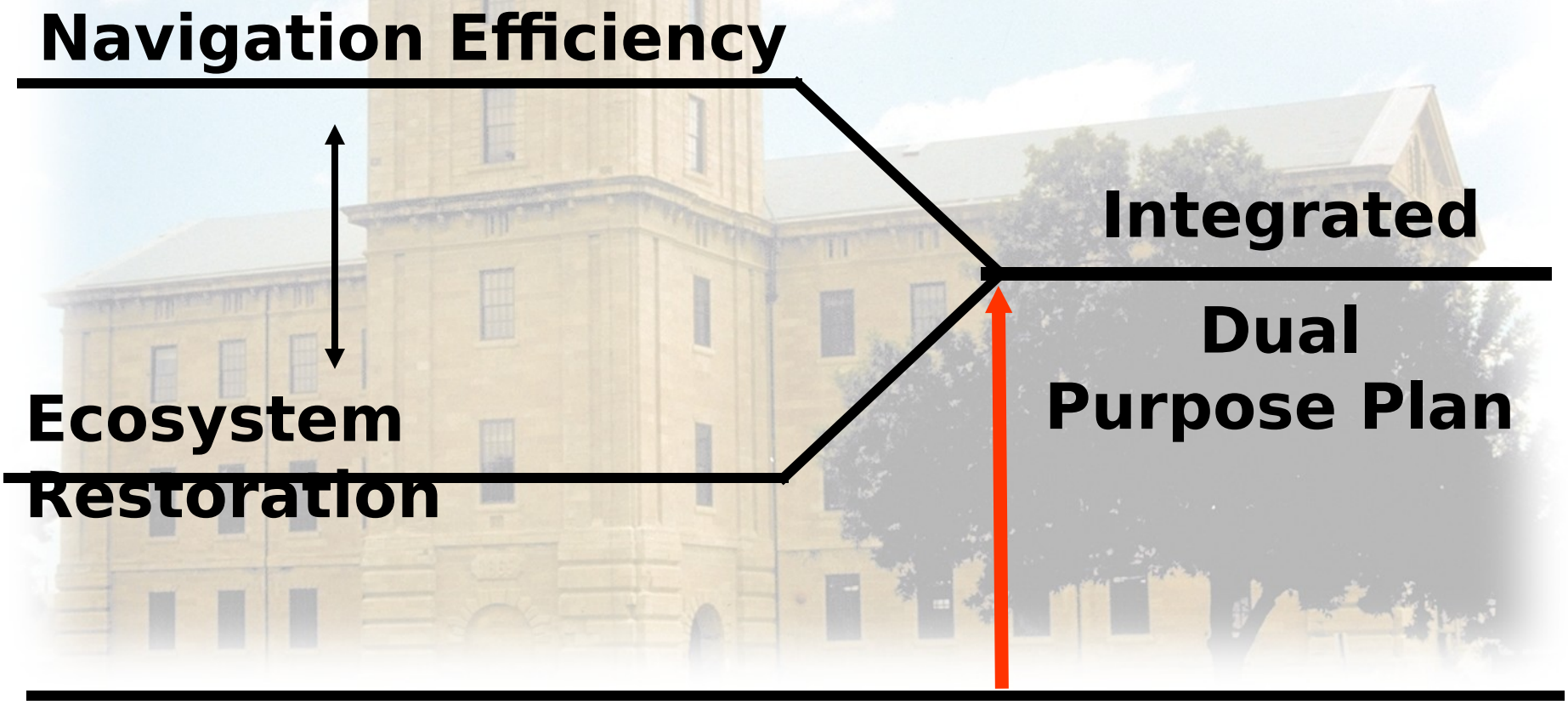
Rock Island District

Current Status



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Collaboration

"To seek long-term sustainability of the economic uses and ecological integrity of the Upper Mississippi River System."

PUBLIC **NGO's**

US Army Corps of Engineers
Rock Island District

Navigation Efficiency Draft Tentatively Selected Plan

Approve Conceptual Framework That Blends Alt 4 & 6

Authorize & Implement Alternative 4 at $84 M:

- **Mooring Facilities @ 12, 14, 18, 20, 22, 24 and Lagrange**
- **Switchboats @ 20-25**
- **Initiate Mitigation for Effects Based on Alternative 4**
- **Continue Development and Testing of an Appurtenant Sediment Handling System.**

US Army Corps of Engineers
Rock Island District

Navigation Efficiency Draft Tentatively Selected Plan

Approve Conceptual Framework That Blends Alt 4 & 6

Recommend Approval of Alternative 6 at $2.3 B As a Framework to Include:

- **New 1,200’ Locks at 20-25, LaGrange, Peoria**
- **1,200’ Lock Extensions 14-18**
- **Adaptive Management Concepts**
- **Checkpoints Requiring Congressional Approval**
- **Continued Monitoring of Economic Factors**
- **Initiation of Pre-Construction, Engineering & Design (PED)**

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Ecosystem Restoration Measures

- Island Building
- Fish Passage
- Floodplain Restoration
- Water Level Management
- Backwater Restoration
- Side Channel Restoration
- Wing Dam/Dike Alteration
- Island/Shoreline Protection
- Topographic Diversity
- Dam Point Control

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Ecosystem Restoration Tentative Recommendation

Approve Conceptual Framework of Alternative D* $ 5.3 Billion 50-yr Plan

- **Authorize Initial Incremental (15 Yrs) Strategy; Develop With Stakeholder**
  - **Best Return on Investment**
  - **Best Gains in Diversity**
  - **Additional Knowledge Required to Guide Future Investments**
- **Additional Implementation Strategies Under Consideration**
- **Programmatic & Project Specific Authority**

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Ecosystem Restoration Tentative Recommendation

**Approve Conceptual Framework of Alternative D*
$ 5.3 Billion 50-yr Plan**

- **Report Back to Committee After 15 Yrs**
  - **Assessment of Program**
  - **Recommendations for Modifications**
  - **Potential Further Authorization**
- **Cost Sharing Option C**
  - **100% Federal on Project Lands, NWR, & Other Specific Lands**

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Feasibility Study Schedule

- **Alternative Formulation Briefing** **Feb 04**

  Tentative Recommended Plan Identified

- **Draft Feasibility Report** **Apr 04**
- **Stakeholder & Public Review** **May - Jul 04**
- **Public Meetings** **Jun 04**
- **Final Feasibility Report w/EIS** **Sep 04**
- **NRC Review Final Feasibility Report** **Oct - Nov 04**
- **Chief's Report** **Nov 04**

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Environmental Protection & Restoration

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Brown's Lake, Iowa

Environmental Management Program

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Environmental Management Program Projects

Current Projects	Status
Banner Marsh	Construction Completion (Dec 03)
Gardner Division	Construction Completion (Sept 05)
Lake Chautauqua	Construction Completion (Dec 03)
Lake Odessa	Feasibility Completion (Sept 04)
	Construction Start (Sched 06 or 07)*
Pool 11 Stage I	Construction Completion (Sept 04)
Pool 11 Stage 2	Construction Start (Sched Aug 04)
Pool 12 Overwintering	Feasibility Completion (Sept 04)
	Construction Start (Sched. July 07)*
Rice Lake	Feasibility Completion (Sept 04)
	Construction Start (Sched. June 07)*
Smith Creek	Feasibility Completion (Sched 06)*
	Construction Start (Sched. June 07)*

Additional EMP Projects Being Completed by St. Paul District are Conway Lake & Pool Slough. Additional EMP Projects Being Completed by St. Louis District are Batchtown, Calhoun Point, Salt Lake/Ft. Chartres, & Stone Dike Alterations.

* ***Dependent on Funding***

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Continuing Authorities Program

- Flood Control – Section 205
- Emergency Streambank Protection – Section 14

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Continuing Authorities Program

- Environmental Protection & Restoration -- Section 1135, Section 204 & Section 206

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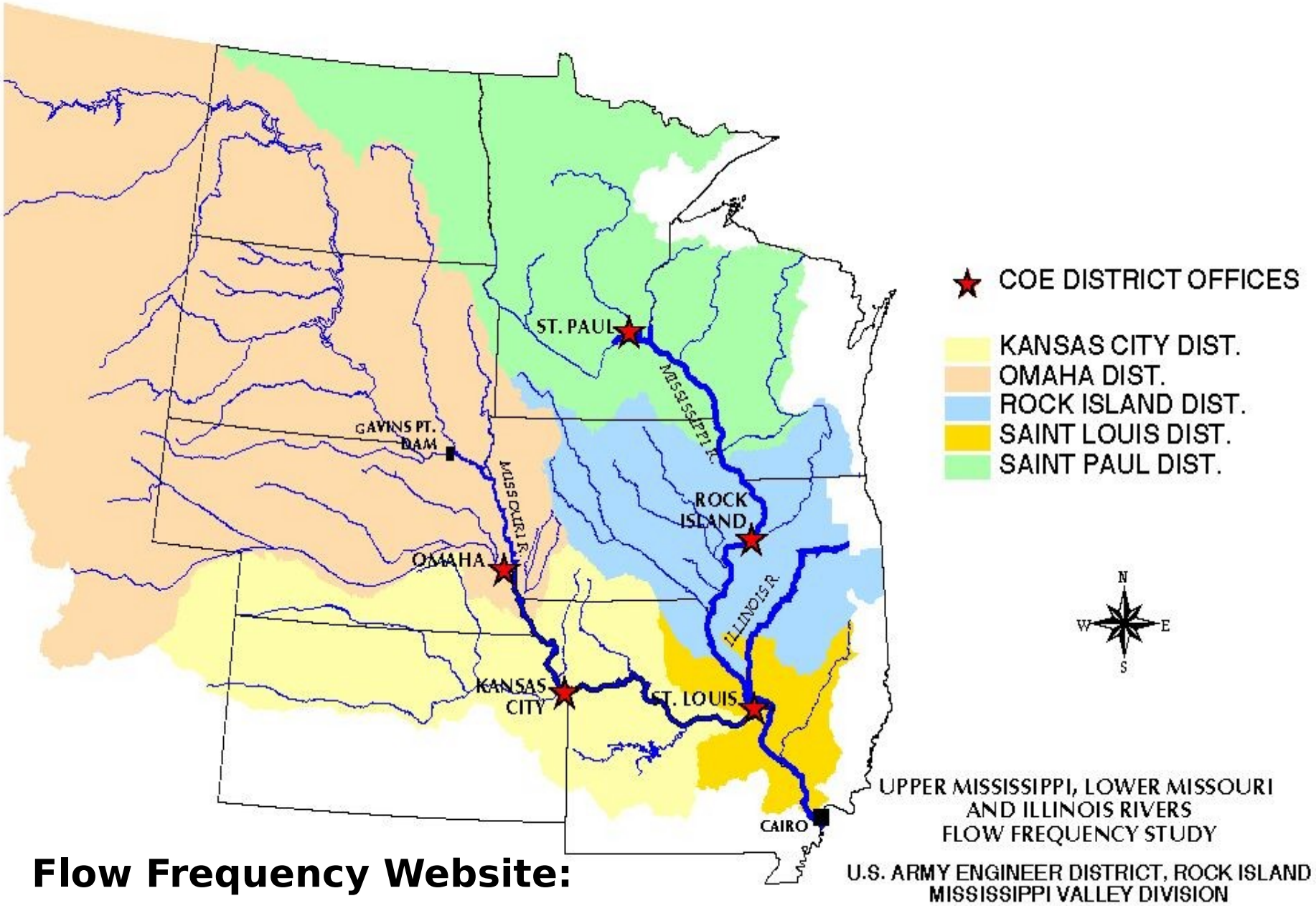
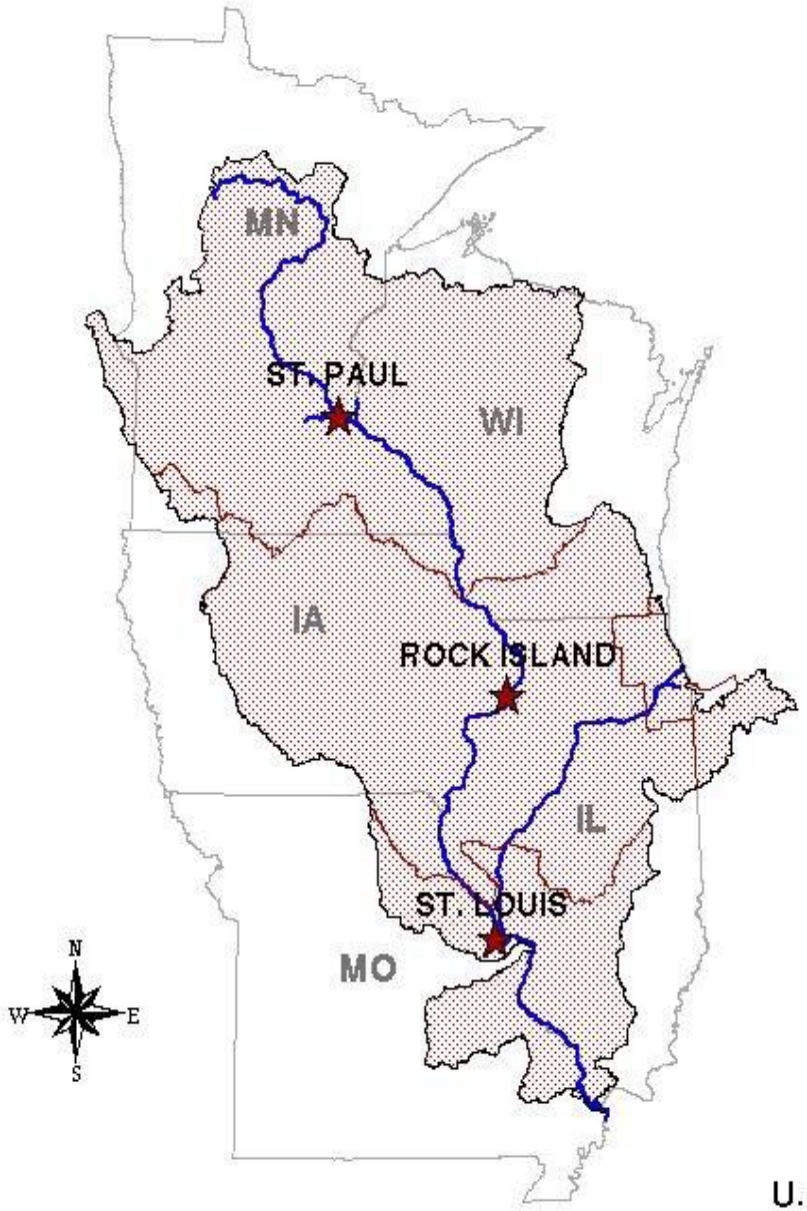
Continuing Authorities Program

- Planning Assistance to States – Section 22



Flow Frequency Website:

http://www.mvr.usace.army.mil/pdw/pdf/FlowFrequency/flowfreq.htm



UPPER MISSISSIPPI RIVER
COMPREHENSIVE PLAN

U.S. ARMY ENGINEER DISTRICT, ROCK ISLAND
MISSISSIPPI VALLEY DIVISION

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Davenport, IA

- **Problem: Lack of Flood Protection for Water Treatment Plant**
- **Status: Design Work Stop Due to Lack of Federal Fu**
- **FY05: Resume Design Wo**
  - **Budget = $156K**
  - **Capability = $417K**
- **Construction Initiation: F**

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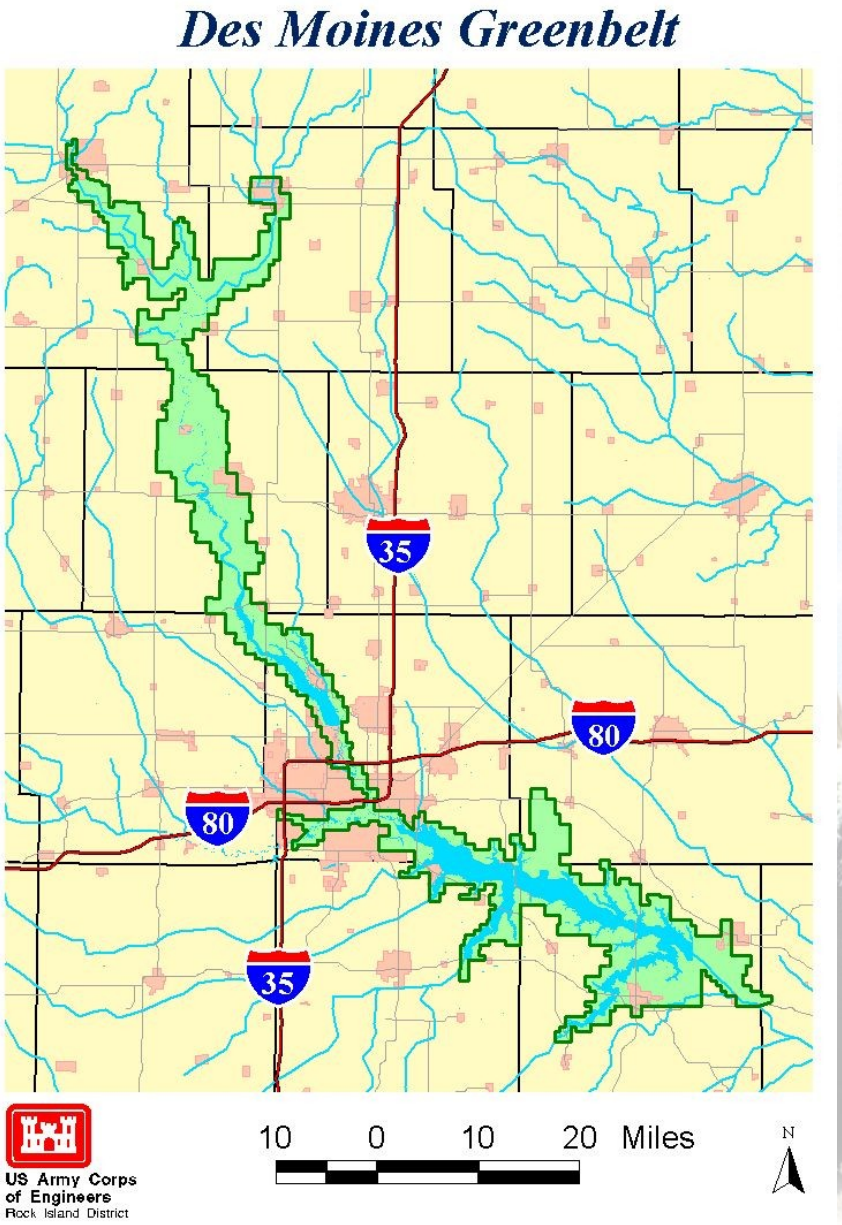
Des Moines Recreational River & Greenbelt



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Des Moines Recreational River & Greenbelt *(Continued)*

- **Fort Dodge Riverfront Development & Trails**
- **Des Moines Riverwalk**
- **Marion County Cordova Center on the Rock**
- **5-Mile Trail Expansion**
- **Amphitheater Improvements**

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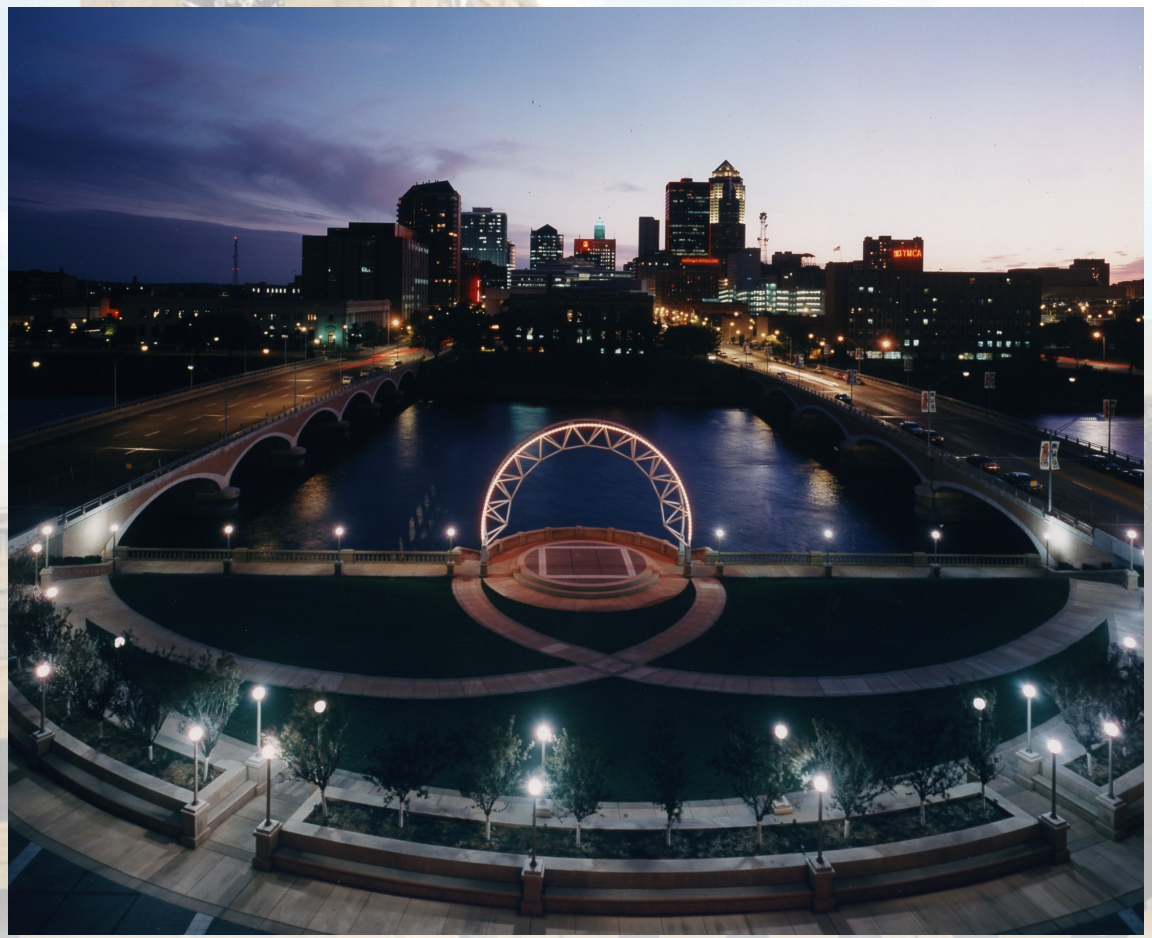
Des Moines Recreational River & Greenbelt *(Continued)*



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Des Moines Recreational River & Greenbelt

- **Problem: Need for Development, Operation, & Maintenance of Facilities for Recreation, Bank Protection, & Environmental Restoration**
- **Project: Create Projects for Recreation, Bank Protection, & Environmental Restoration Purposes**

- **FY05 Work: Dollars Could Be Used to Continue Coordination with Greenbelt Advisory Committee for Design, Award & Construction of 4 Projects**
- **Budget Request for FY05: $0**
- **Capability FY05: $10,500,000**

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Regulatory Program

Discharge of Dredge Mater

Filling of Wetlands

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Regulated Waters

- What Are Regulated Waters?
- "All Waters of the United States
- SWANCC Decision Impact

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Joint Applications with Iowa & Illinois

- **Allows Regulatory Responsibility Separately But Concurrently**
- **Clarifies Permit Requirements**
- **Expedites the Process of Obtaining Forms**
- **Eliminates Need for Filing Multiple Forms**
- **Reduces Permit Processing Time**
- **Improves Agency Coordination**

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Types of Permits

Individual

- **Larger Projects with Greater Impacts**
- **Involve Issuance of Public Notice**

General

- **Issued on a Regional/Nationwide Basis**
- **Include Conditions, Restrictions & Limitations**
- **Public Notice Issued For General Permit Itself**

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Nationwide Permits

- General Permits
- Recent Changes Became Effective March 18, 2002
- 43 Nationwide Permits
- Specific Regional Conditions are Added
- Compliance Requirements Just as Stringent
- Special Conditions May Be Added

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Average Workload Statistics

FY 92 - 02

Individual Permits	134
Denials	5
Letters of Permission	32
Regional Permits	40
Nationwide Permits	1180
No Permit Required	307
Jurisdictional Determinations	1860
Withdrawals	131
Compliance Inspections	271
Unauthorized Activities Resolved	114

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Work in Waters of the U.S.

Regulatory

- **Steve Vander Horn**
  (309) 794-5370
- **Donna Jones**
  (309) 794-5371
- **Dick Baugh**
  (309) 794-5372

Dredging Channel/Small Boat Harbor

- **Alois Devos**
  (309) 794-5240

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Congressional Inquiry Process

- **Suspense Is 4 Workdays (7 Calendar Days) From Date of Receipt.**
- **Responses Sent to the Congressional Offices in Washington and the Local Office, If Requested.**
- **Responses Also Provided to Corps Headquarters in Washington and Our Division Headquarters in Mississippi.**

Points of Contact

- **A/E Coordinator**
  Joanne Traicoff
  309-794-5293

- **Congressional Liaisons**
  Larry Jones
  309-794-5298
  Ron Fournier
  309-794-5274

- **Construction**
  Dan Holmes, Chief
  309-794-5480

- **Contracting**
  Rhonda Johanson, Chief
  309-794-5312

- **Emergency Management**
  Kent Stenmark, Chief
  309-794-5325

- **Engineering**
  Charles Spitzack, Acting Chief
  309-794-5226

- **Operations**
  Kenn Shoemaker, Chief
  309-794-5501

- **Outreach & Customer Support**
  Mike Reed
  309-794-5923

- **Programs & Project Management**
  Gary Loss, Chief
  309-794-5260

- **Regulatory**
  Steve VanderHorn, Chief
  309-794-5370

- **Small & Disadvantaged Business Utilization Office**
  Doug Davis
  309-794-5205

Rock Island District Website: www.mvr.usace.army.mil